

FIG. 1

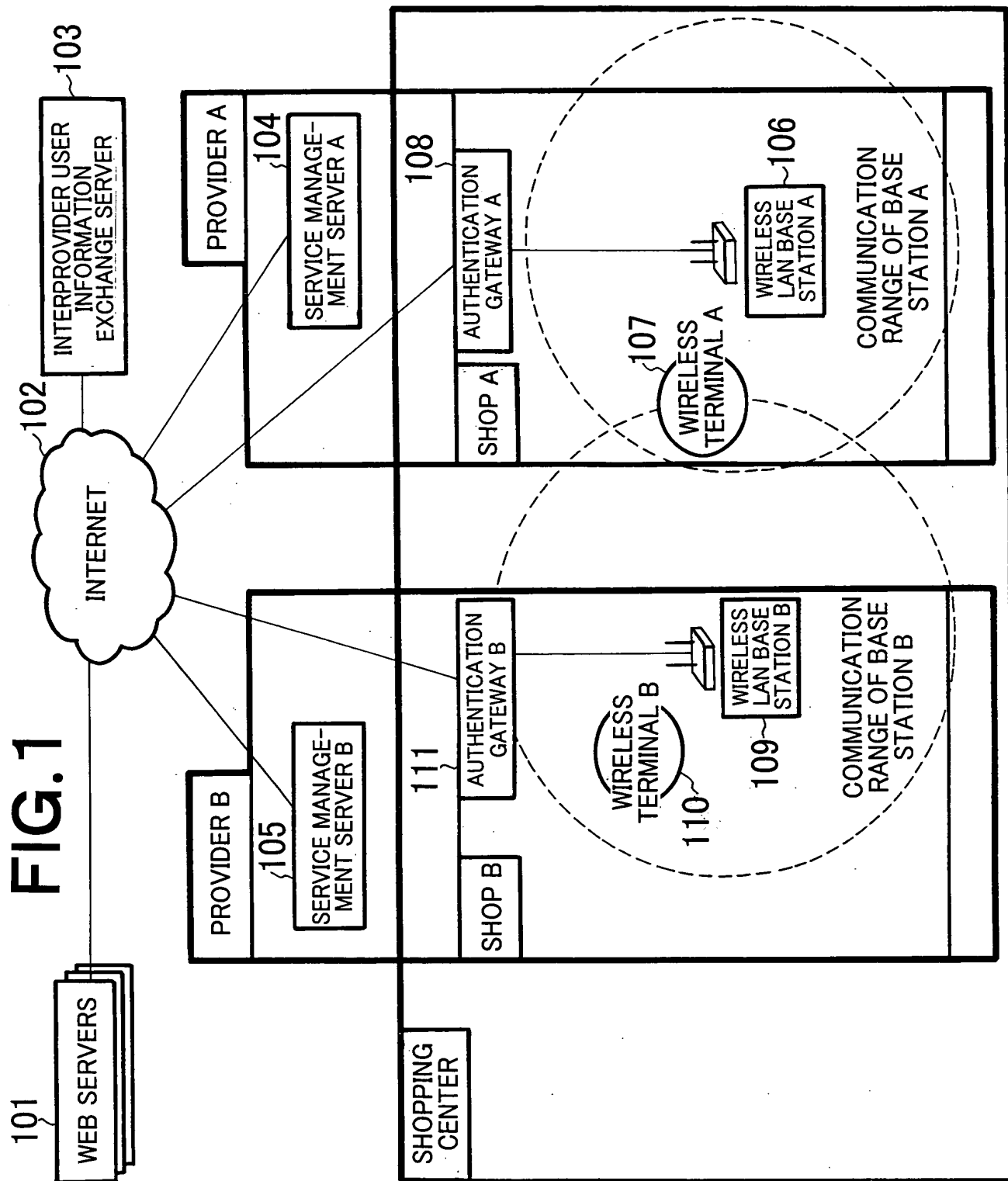


FIG.2

WIRELESS TERMINAL

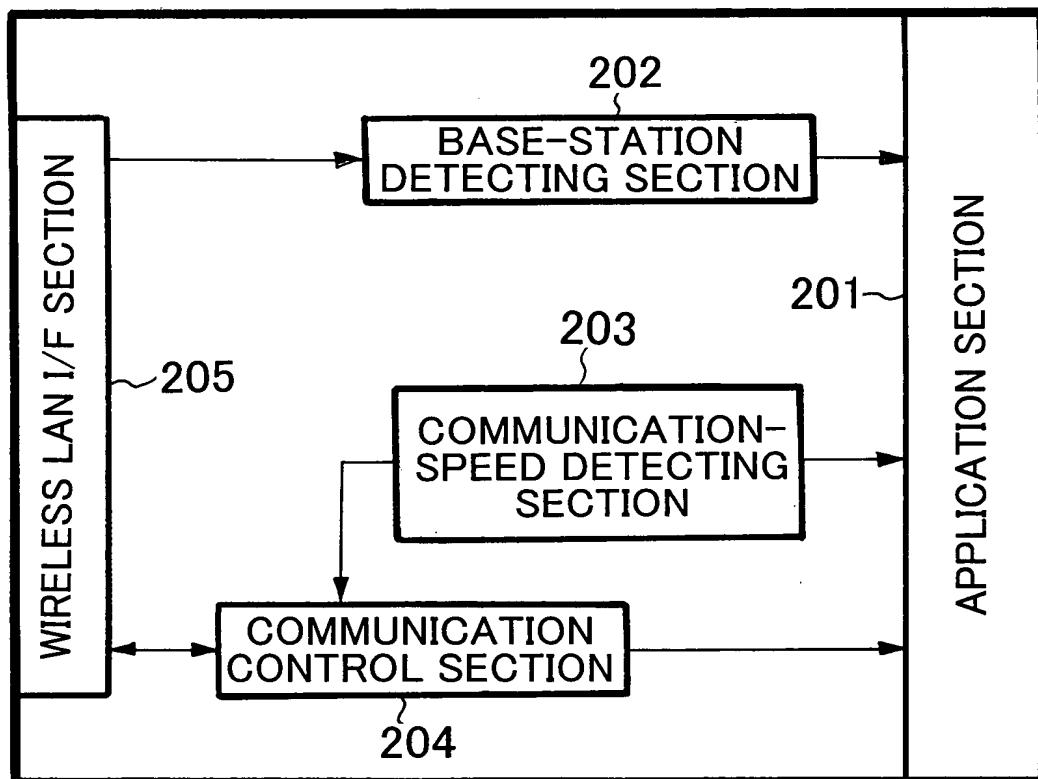


FIG.3

WIRELESS TERMINAL

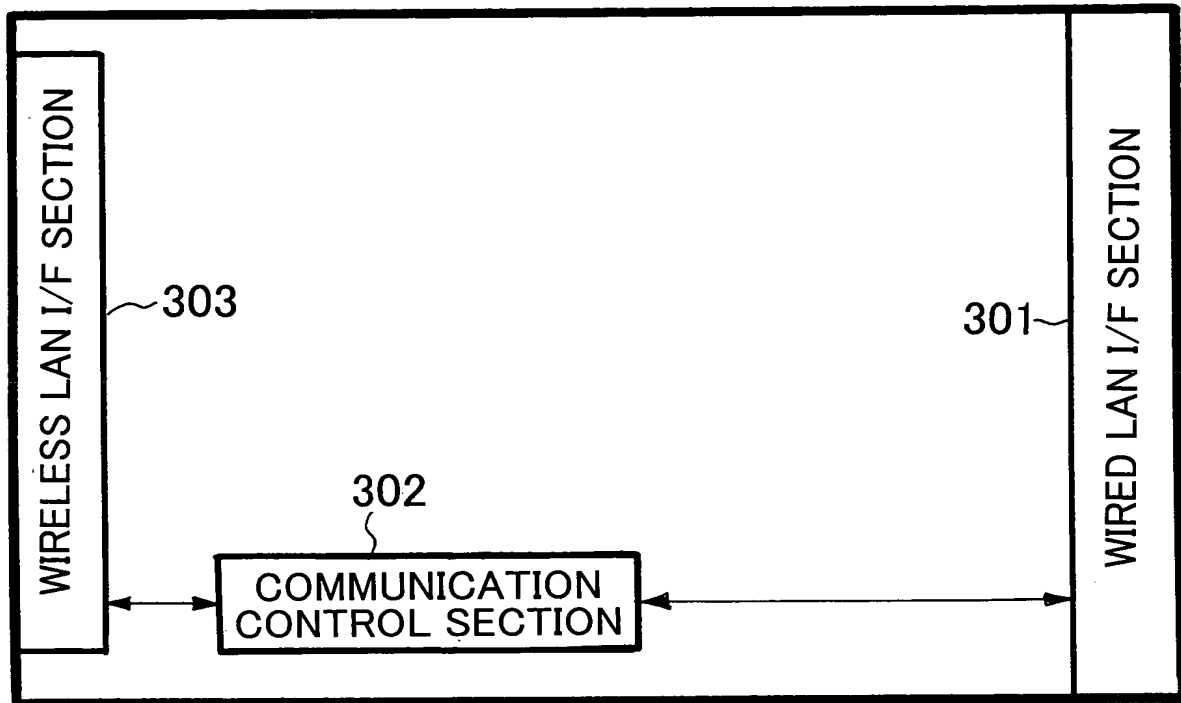


FIG.4

AUTHENTICATION GATEWAY

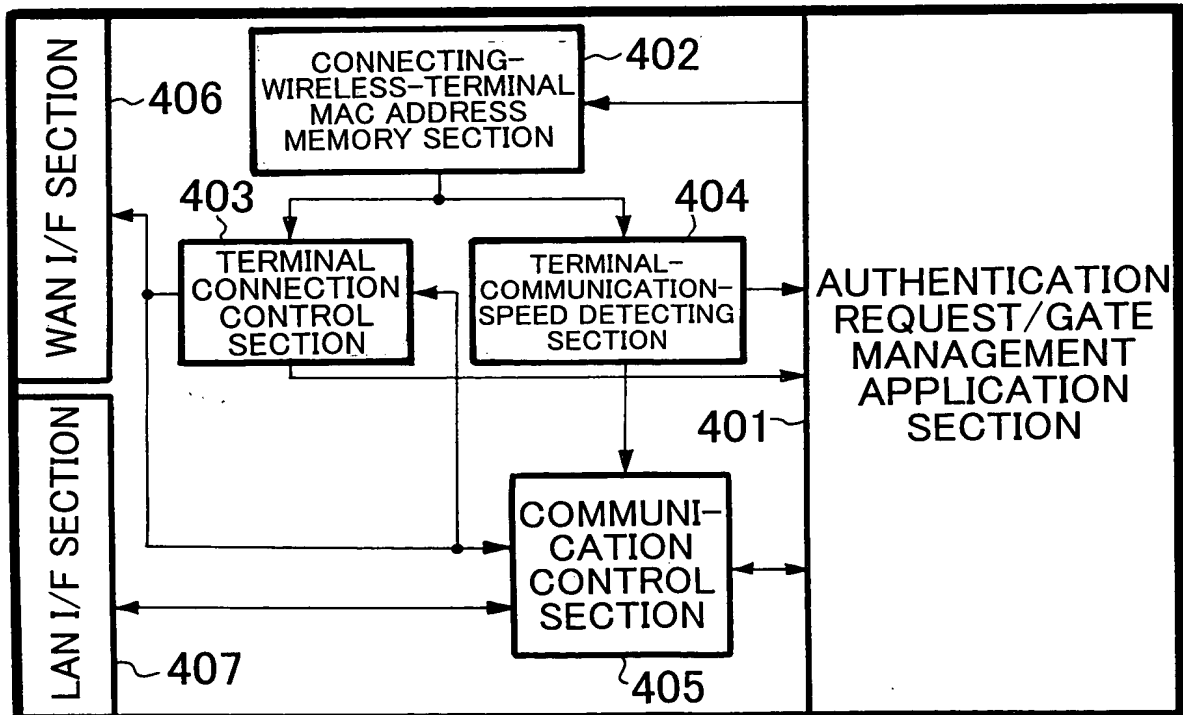


FIG.5

SERVICE MANAGEMENT SERVER

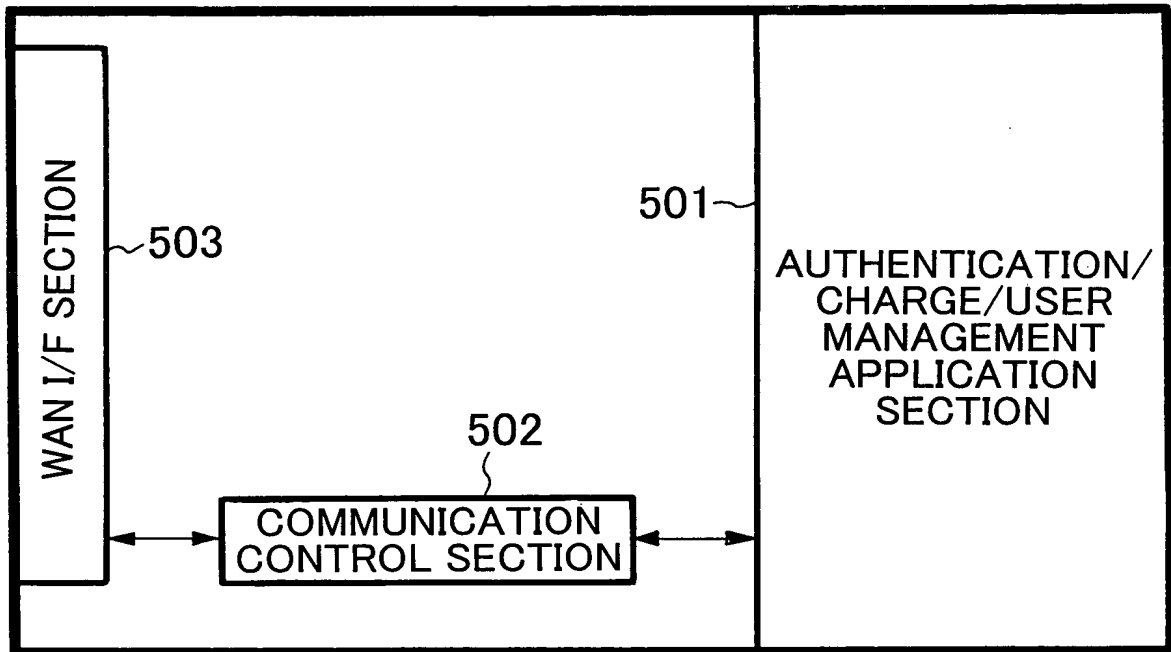


FIG.6

INTERPROVIDER USER INFORMATION EXCHANGE SERVER

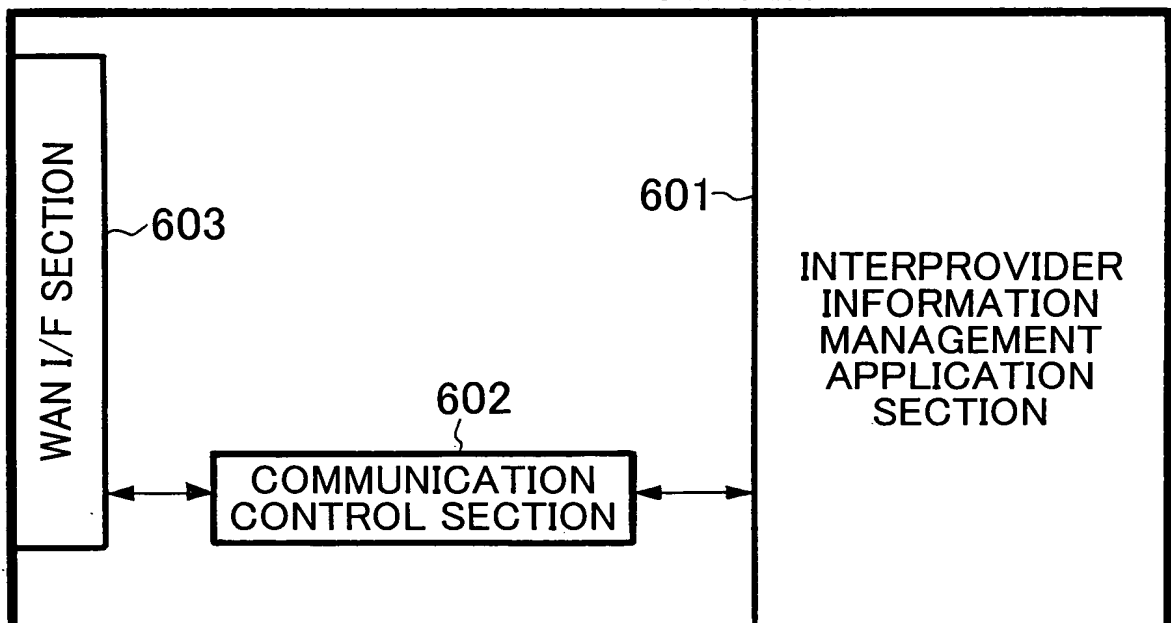


FIG.7

TABLE OF SERVICE MANAGEMENT SERVER
(FOR CONTRACTED USERS)

| USER ID 701 | PASSWORD 702 | MAC ADDRESS 703 | MONTHLY ROAMING COMMUNICATION AMOUNT 704 | MONTHLY ROAMING COMMUNICATION TIME 705 | ROAMING CHARGE 706 |
|-------------------------------------|------------------------------------|---|--|--|-----------------------------------|
| EXAMPLE: Yamada Suzuki ... | EXAMPLE: XXXXXX YYYYY ... | EXAMPLE: 11:22:33:44:55:66 AA:BB:CC:DD:EE:FF ... | EXAMPLE: 2000Kbyte 500Kbyte ... | EXAMPLE: 10:30 2:00 ... | EXAMPLE: ¥2,000 ¥100 ... |

TABLE OF SERVICE MANAGEMENT SERVER
(FOR USERS CONTRACTED WITH OTHER PROVIDERS)

| INTERPRO- VIDER COMMON ID 707 | MAC ADDRESS 708 | MONTHLY ROAMING COMMUNICATION AMOUNT 709 | MONTHLY ROAMING COMMUNICATION TIME 710 | ROAMING CHARGE 711 |
|---|---|--|--|-----------------------------------|
| EXAMPLE: 11223344 11223345 ... | EXAMPLE: 22:33:44:55:66:77 33:44:55:66:77:88 ... | EXAMPLE: 10000Kbyte 300Kbyte ... | EXAMPLE: 9:30 1:30 ... | EXAMPLE: ¥1,500 ¥100 ... |

FIG.8

USER INFORMATION

| INTERPROVIDER COMMON ID 801 | CONTRACTED PROVIDER 802 | PROVIDER INHERENT ID 803 | PROVIDER INHERENT PASSWORD 804 |
|---|---|---|---|
| EXAMPLE: 11223344 11223345 11223346 11223347 ... | EXAMPLE: PROVIDER A PROVIDER A PROVIDER B PROVIDER B ... | EXAMPLE: Tanaka Sato Yamada Suzuki ... | EXAMPLE: TTTTT SSSSS XXXXX YYYYY ... |

ROAMING HISTORY

| INTERPROVIDER COMMON ID 805 | OTHER PROVIDER NAME 806 | MONTHLY ROAMING COMMUNICATION AMOUNT 807 | MONTHLY ROAMING COMMUNICATION TIME 808 | ROAMING CHARGE 809 |
|-----------------------------------|---|---|---|-----------------------------------|
| EXAMPLE: 11223344 ... | EXAMPLE: PROVIDER B PROVIDER C ... | EXAMPLE: 10000Kbyte 600Kbyte ... | EXAMPLE: 9:30 1:30 ... | EXAMPLE: ¥1,500 ¥200 ... |
| EXAMPLE: 11223345 ... | EXAMPLE: PROVIDER B PROVIDER C ... | EXAMPLE: 300Kbyte 400Kbyte ... | EXAMPLE: 1:00 1:15 ... | EXAMPLE: ¥100 ¥150 ... |
| ... | ... | ... | ... | ... |

FIG.9

FLOWCHART FOR WIRELESS TERMINAL

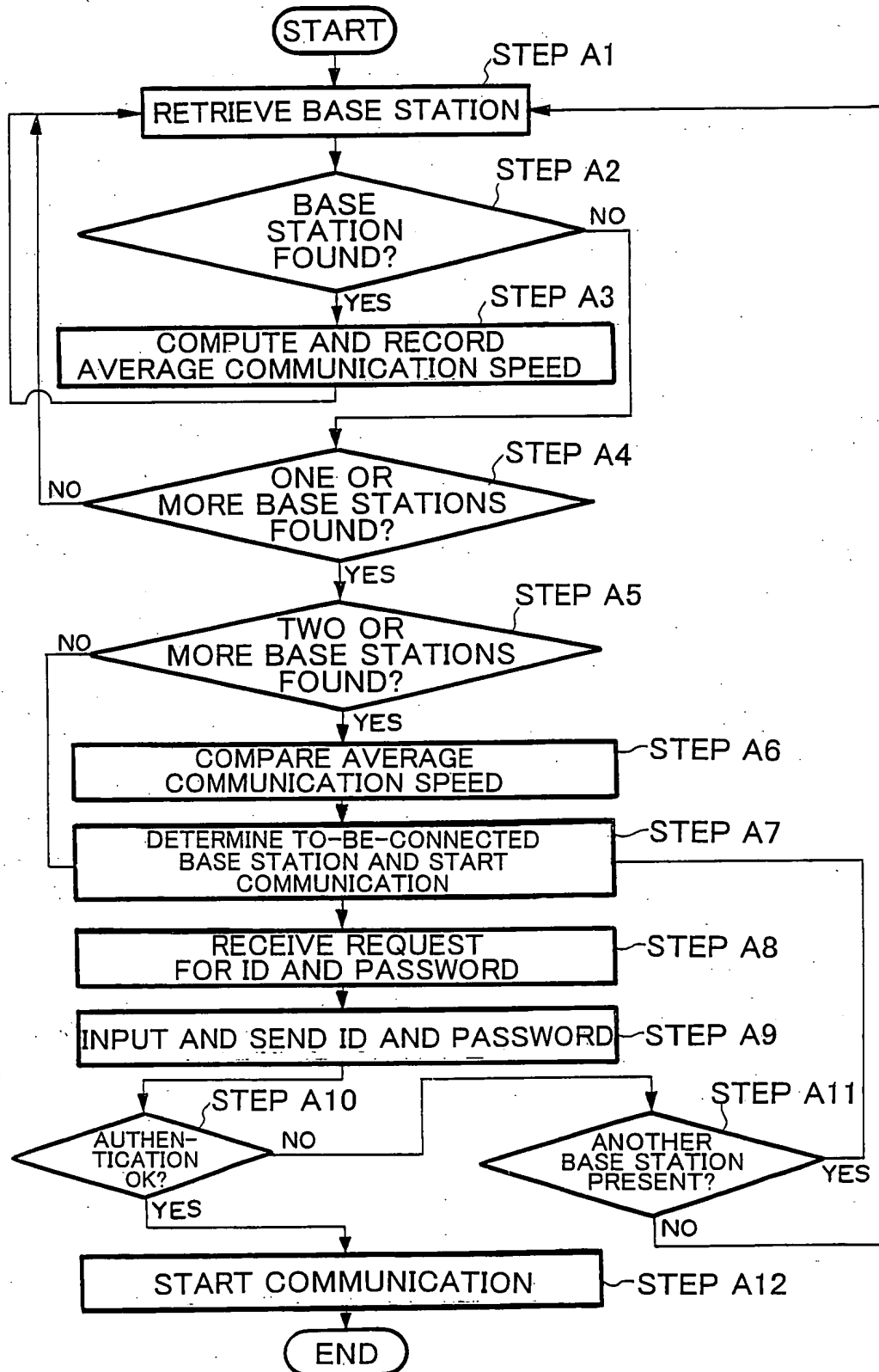


FIG.10

FLOWCHART FOR AUTHENTICATION GATEWAY

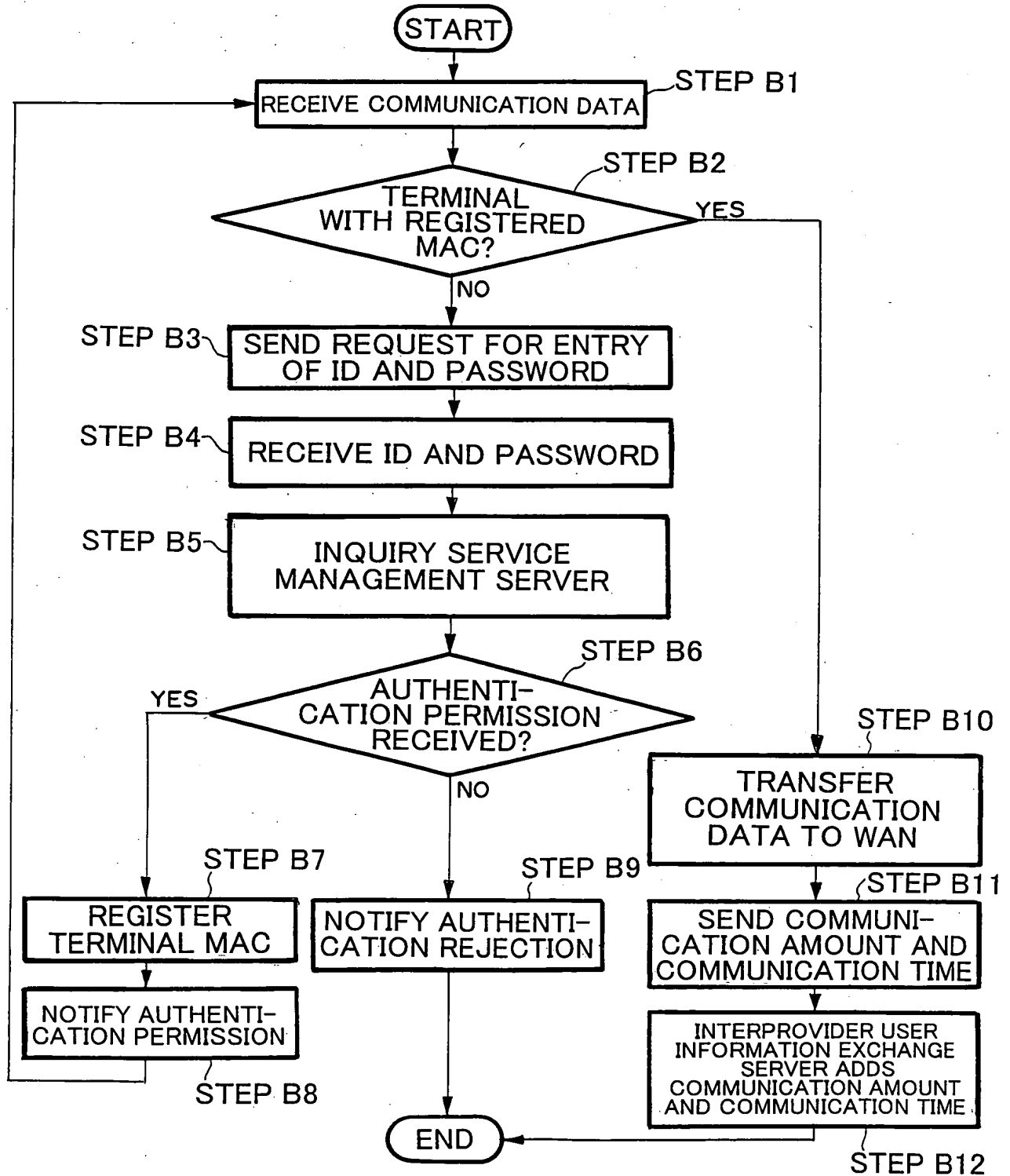


FIG. 11

FLOWCHART FOR SERVICE MANAGEMENT SERVER

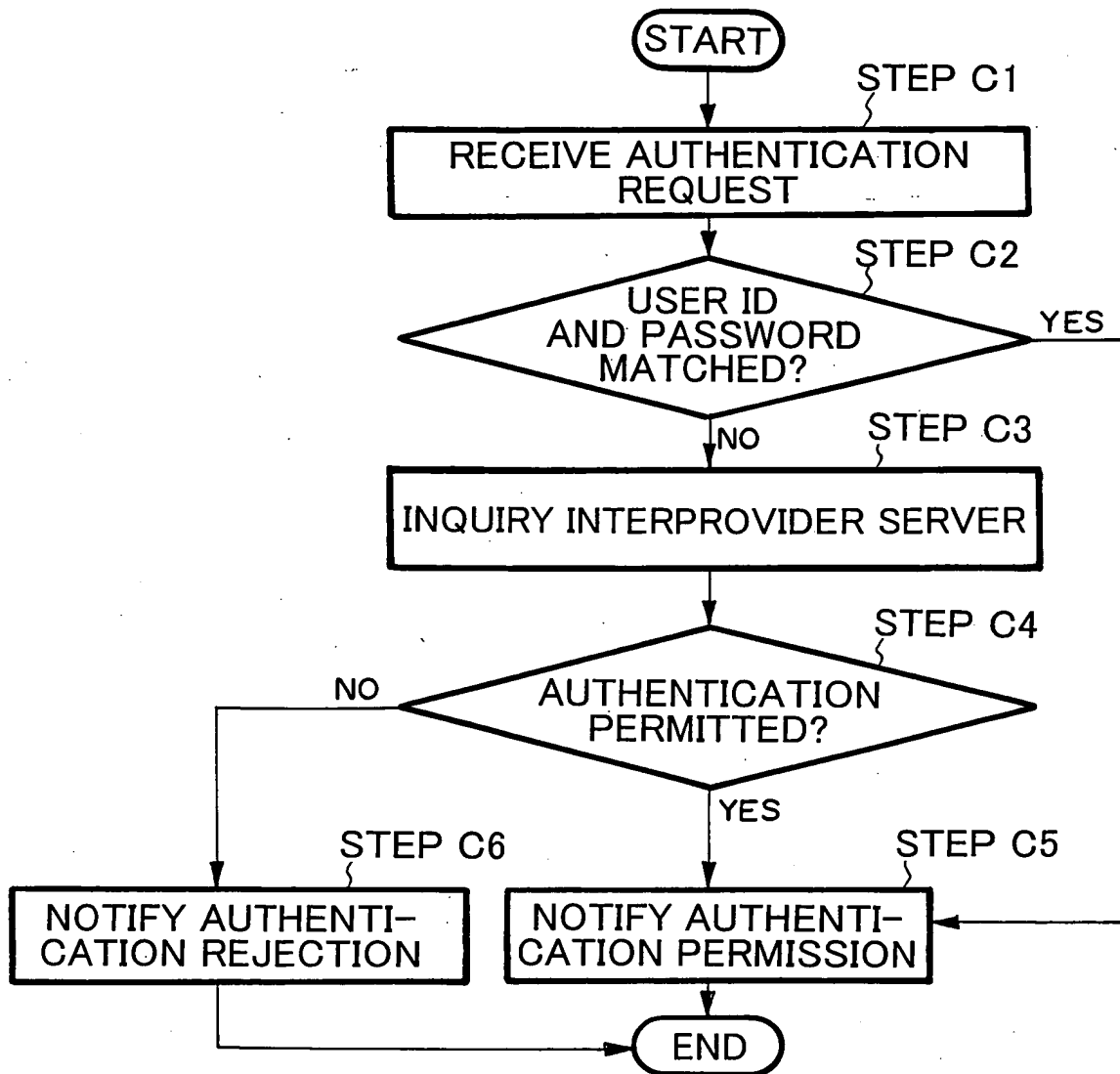


FIG. 12

FLOWCHART OF ROAMING CHARGE SETTLING PROCESS

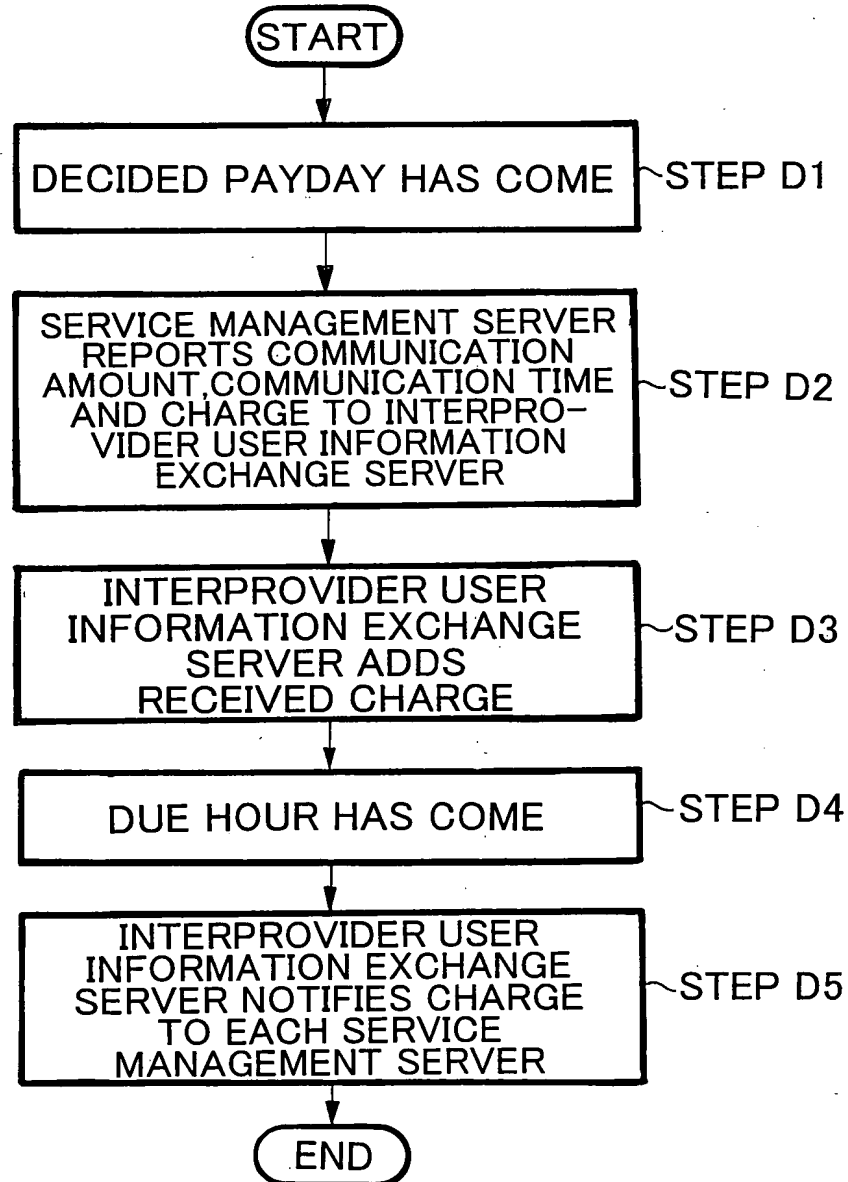


FIG.13

WIRELESS LAN BASE STATION

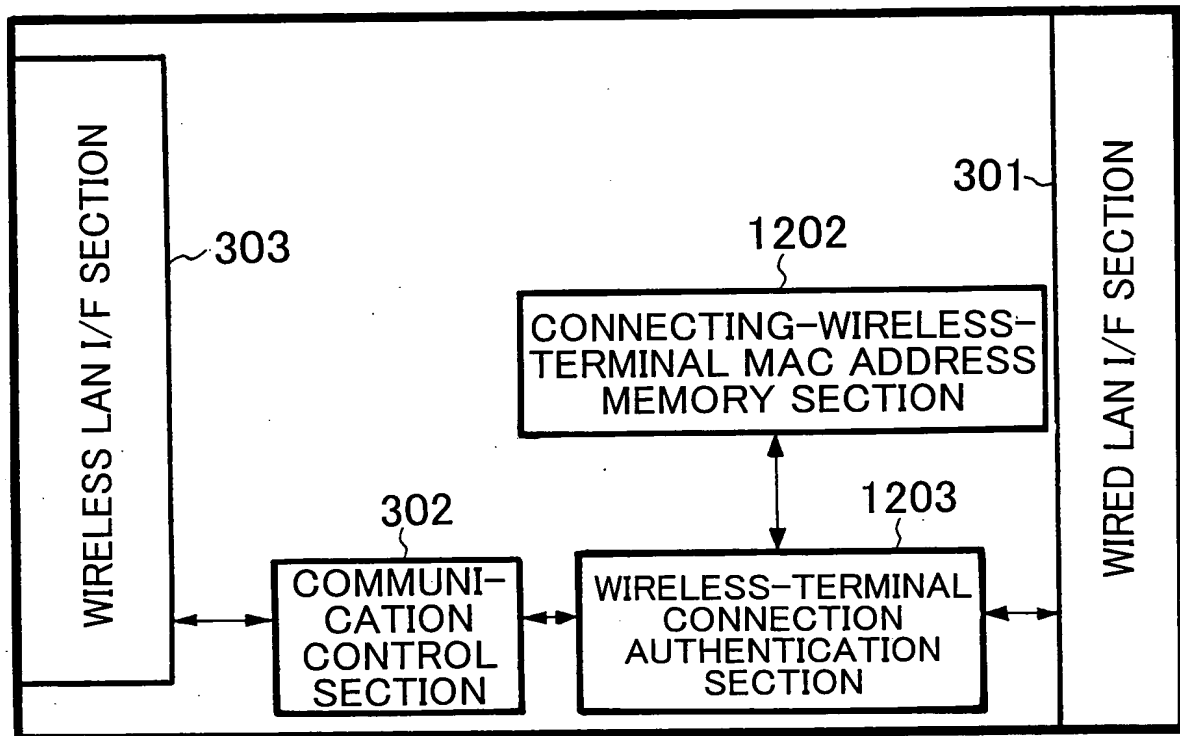


FIG. 14

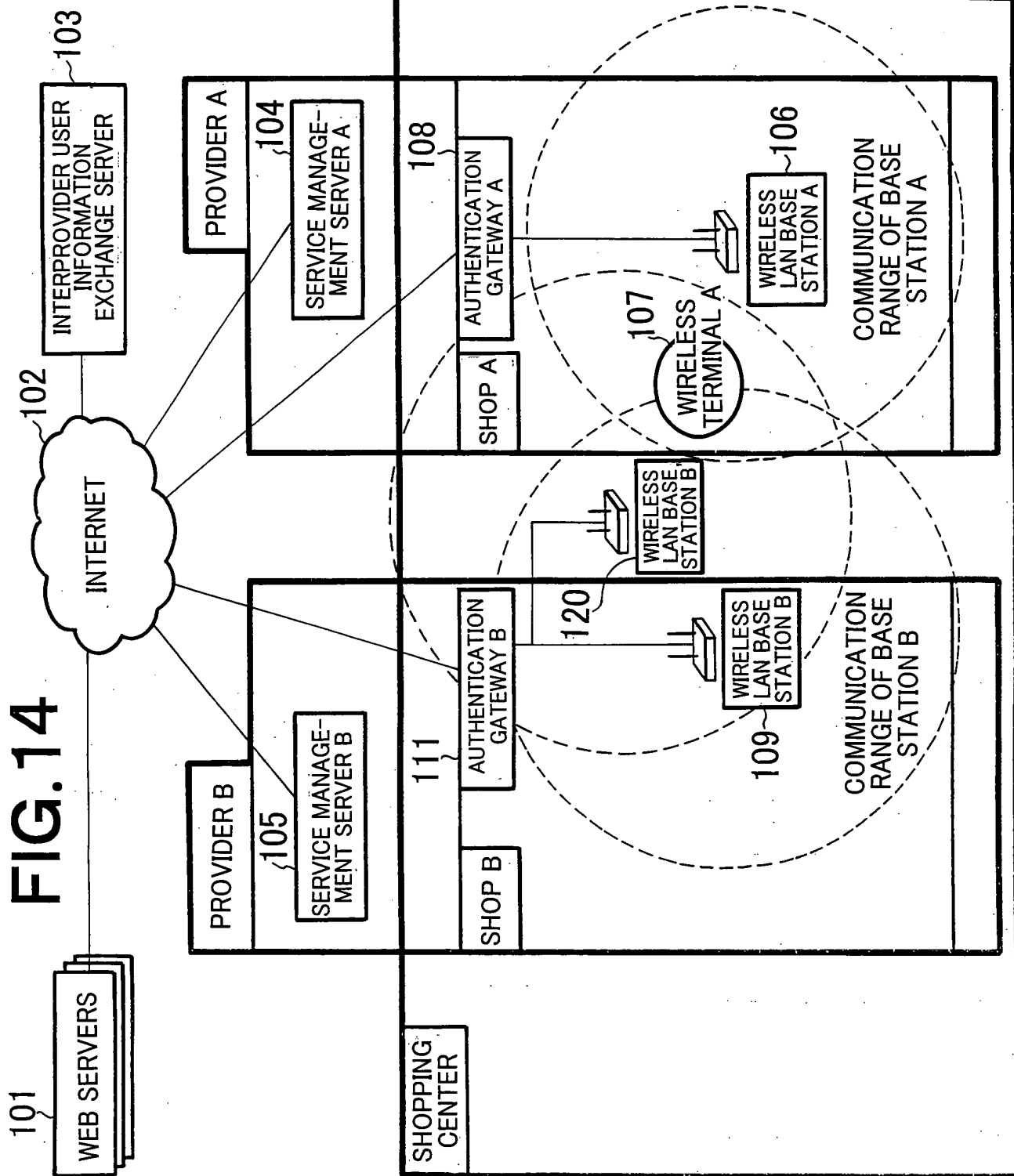


FIG.15

WIRELESS LAN BASE STATION

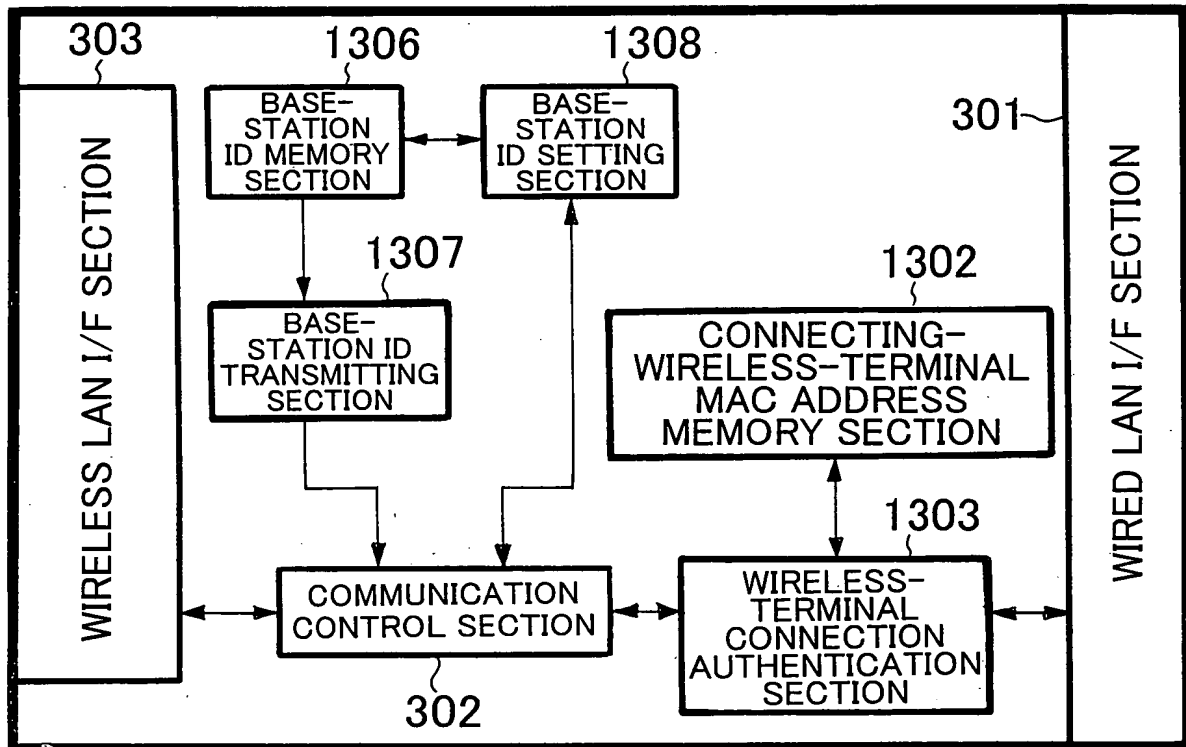


FIG. 16

